Obsolete

Micro Commercial Components

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SS32HE THRU SS320HE

3 Amp Schottky Rectifiers 20 - 200 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- High current capability.
- Lead Free Finish/RoHS Compliant (Note1)("P"Suffix designates Compliant. See ordering information)
- Guardring for overvoltage protection.
- Silicon epitaxial planar chip, metal silicon junction.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

- Operating Temperature: SS32HE~SS34HE: -55°C to +125°C
  SS35HE~SS320HE: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 15°C/W Junction to Lead

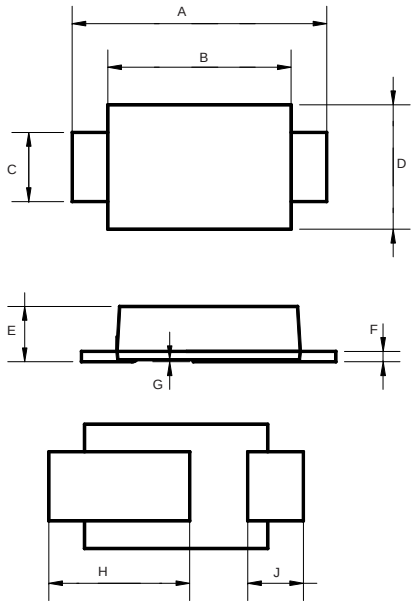
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS32HE	S32L	20V	14V	20V
SS33HE	S33L	30V	21V	30V
SS34HE	S34L	40V	28V	40V
SS35HE	S35L	50V	35V	50V
SS36HE	S36L	60V	42V	60V
SS38HE	S38L	80V	56V	80V
SS310HE	S310L	100V	70V	100V
SS315HE	S315L	150V	105V	150V
SS320HE	S320L	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	See Fig.1
Peak Forward Surge Current	I_{FSM}	65A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F 32~34 35~36 38~310 315~320	0.50V 0.70V 0.85V 0.90V	I_{FM} = 3.0A;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.5mA	T_J = 25°C

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

SOD-123HE



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.156	3.55	3.95	
B	.100	.112	2.55	2.85	
C	.035	.043	0.90	1.10	
D	.067	.075	1.70	1.90	
E	.028	.035	0.70	0.90	
F	.004	.008	0.10	0.20	
G	.001	.002	0.02	0.05	
H	.067	.098	1.70	2.50	
J	.016	.047	0.40	1.20	

Characteristics(Typical)

FIG1:Io-Ta Curve

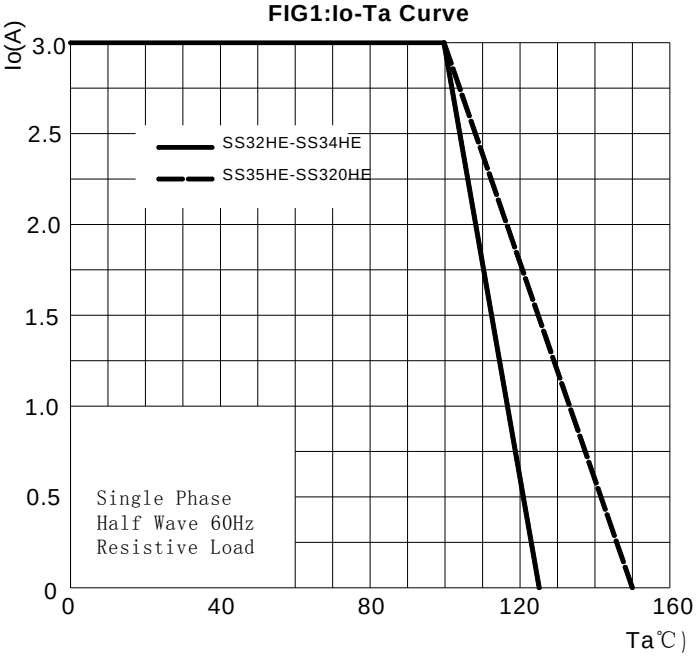


FIG2:Surge Forward Current Capadility

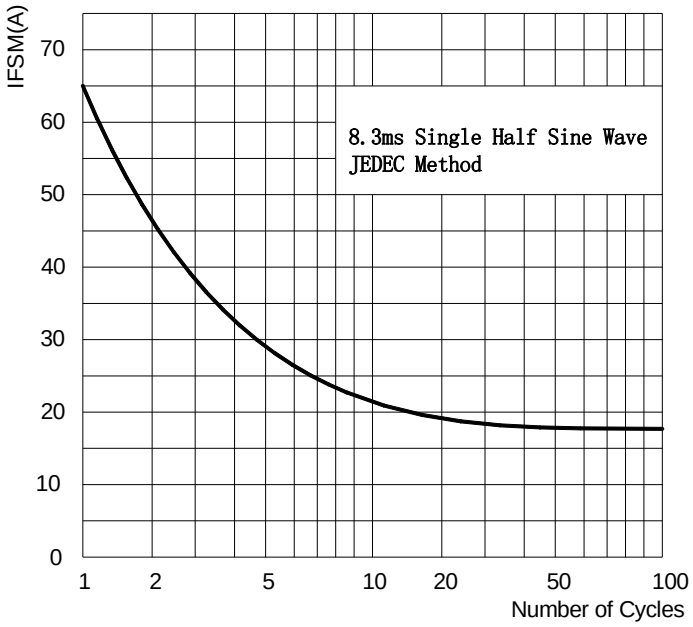


FIG3: Forward Voltage

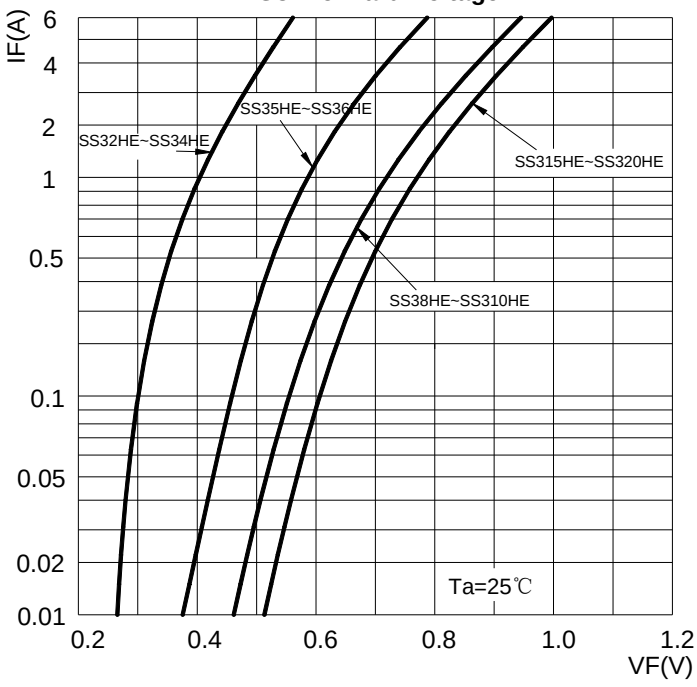
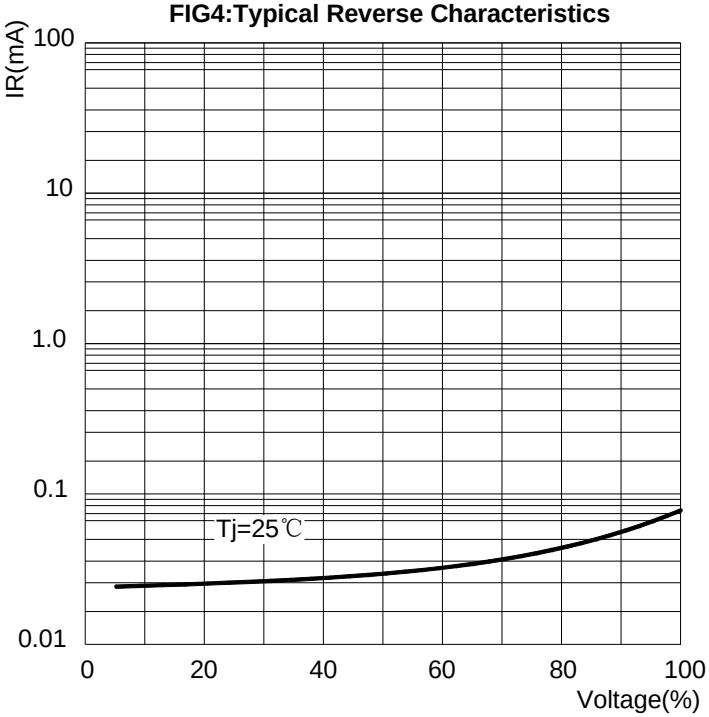


FIG4:Typical Reverse Characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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